

## THE CLAIMS

What is claimed is:

- 1           1.       A method for backing-up data in a wireless network, the method comprising  
2 steps of:  
3               selecting data within a wireless device for backup in a storage area, the  
4 storage area being accessible by the wireless client device through the wireless network;  
5               encrypting the selected data; and  
6               sending the encrypted data to the storage area.
- 1           2.       The method according to claim 1, wherein the step of sending the encrypted  
2 data to the storage area is done using a Wireless Application Protocol (WAP) technique.
- 1           3.       The method according to claim 1, wherein the step of sending the encrypted  
2 data to the storage area includes a step of encapsulating the encrypted data within a SyncML  
3 document.
- 1           4.       The method according to claim 1, wherein the step of sending the encrypted  
2 data to the storage area includes a step of encapsulating the encrypted data within an XML  
3 document.
- 1           5.       The method according to claim 1, wherein the wireless device is one of a  
2 wireless telephone handset and a personal digital assistant.
- 1           6.       The method according to claim 1, wherein the step of encrypting the selected

2 data encrypts the selected data using a public key.

1 7. The method according to claim 6, wherein the public key is supplied by a  
2 Wireless Identity Module (WIM).

1 8. The method according to claim 1, further comprising steps of:  
2 downloading the encrypted data from the storage area; and  
3 decrypting the encrypted data.

1 9. The method according to claim 8, wherein the step of downloading the  
2 encrypted data from the storage area is done using a WAP technique.

1 10. The method according to claim 8, wherein the step of decrypting the  
2 encrypted data decrypts the encrypted data using a private key.

1 11. A method for accessing backed-up data in a wireless network from a  
2 wireless device, the method comprising steps of:  
3 downloading the backed-up data from a storage area, the backed-up data  
4 containing encrypted data and the storage area being accessible by the wireless client device  
5 through the wireless network; and  
6 decrypting the downloaded backed-up data.

1 12. The method according to claim 11, wherein the step of downloading the  
2 backed-up data from the storage area is done using a Wireless Application Protocol (WAP)

3 technique.

1 13. The method according to claim 11, wherein the step of decrypting the  
2 downloaded backed-up data decrypts the encrypted data using a private key.

1 14. The method according to claim 13, wherein the private key is supplied by a  
2 Wireless Identity Module (WIM).

1 15. The method according to claim 11, wherein the backed-up data is embedded  
2 in a SyncML document.

1 16. The method according to claim 11, wherein the backed-up data is embedded  
2 in an XML document.

1 17. The method according to claim 11, wherein the wireless client device is one  
2 of a wireless telephone handset and a personal digital assistant.

1 18. A wireless terminal device, comprising:  
2 a memory storing data;  
3 a browser that allows a user to select data for backup storage;  
4 a backup module encrypting the selected data; and  
5 a backup application sending the encrypted selected data to a storage area  
6 that is accessible to the wireless terminal device through a wireless network.

1           20.     The wireless terminal device according to claim 18, wherein the encrypted  
2     selected data is sent to the storage area using a Wireless Application Protocol (WAP)  
3     technique.

1           21.     The wireless terminal device according to claim 18, wherein the encrypted  
2     selected data is encapsulated within a SyncML document.

1           22.     The wireless terminal device according to claim 18, wherein the encrypted  
2     selected data is encapsulated within an XML document.

1           23.     The wireless terminal device according to claim 18, wherein the wireless  
2     client device is one of a wireless telephone handset and a personal digital assistant.

1           24.    The wireless terminal device according to claim 18, wherein the  
2    backup/restore module encrypts the selected data using a public key.

1           25.     The wireless terminal device according to claim 24, further comprising a  
2     Wireless Identity Module (WIM) that stores the public key.

1           26.    The wireless terminal device according to claim 18, wherein the backup  
2    application downloads the encrypted data from the storage area,

3 the wireless terminal device further comprising a restore module that decrypts the  
4 encrypted data.

1 27. The wireless terminal device according to claim 26, wherein the encrypted  
2 data is downloaded from the storage device using a Wireless Application Protocol (WAP)  
3 technique.

1 28. The wireless terminal device according to claim 26, wherein the restore  
2 module decrypts the encrypted data using a private key.

1 29. The wireless terminal device according to claim 28, further comprising a  
2 Wireless Identity Module (WIM) that stores the private key.